

Consider a grocery chain. For each store, we want to store the unique id, store name, zip, and city. For each registered customer, we have their unique id, name, and zip code. A customer can have 0 or more sales from a store. For each sale, we need to store the unique id, the time and date of the sale, and info about the customer and store where the sale was performed. We also have a list of products, where for each product we store the unique id, description, and price. Finally, note that a sales receipt is issued for each sale, where the receipt can contain multiple line items. That is, a sale consists of multiple line items. For each line item, we need to store the unique id and the product and quantity for the line item.